

(FILE 'HOME' ENTERED AT 19:10:28 ON 20 MAY 2006)

FILE 'REGISTRY' ENTERED AT 19:10:37 ON 20 MAY 2006

E "HYDROGEN PEROXIDE"/CN 25

L1 1 S E3

E "THIOCYANATE"/CN 25

L2 1 S E3

FILE 'CAPLUS, MEDLINE' ENTERED AT 19:12:18 ON 20 MAY 2006

L3 229293 S (H2O2 OR (HYDROGEN (W) PEROXIDE))

L4 112 S L3 AND (CYSTIC (W) FIBROSIS)

L5 70 S L4 AND (INHAL? OR RESP?)

L6 25 S L5 AND INFECTION

L7 18 DUPLICATE REMOVE L6 (7 DUPLICATES REMOVED)

L8 18 FOCUS L7 1-

L9 113 S L3 AND (CYSTIC (5A) FIBROSIS)

L10 5 S L9 AND THIOCYANATE

L11 4 DUPLICATE REMOVE L10 (1 DUPLICATE REMOVED)

L12 16 S L9 AND (INFECTION (20A) (TREATMENT OR THERAPY OR BACTER?))

L13 12 DUPLICATE REMOVE L12 (4 DUPLICATES REMOVED)

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN

RN 7722-84-1 REGISTRY

CN Hydrogen peroxide (H2O2) (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN **Hydrogen peroxide (8CI)**

OTHER NAMES:

CN Adeka Super EL

CN Albone

CN Albone 35

CN Albone DS

CN Anti-Keim 50

CN Asepticper

CN Baquashock

CN CIX

CN Clarigel Gold

CN Crestal Whitestrips

CN Crystacide

CN Dentasept

CN Deslime LP

CN Hioxyl

CN Hipox

CN Hybrite

CN Hydrogen dioxide

CN Inhibine

CN Lase Peroxide

CN Lensan A

CN Magic Bleaching

CN Metrokur

CN Mirasept

CN Nite White Excel 2

CN NSC 19892

CN Odosat D

CN Opalescence Xtra

CN Oxigenal

CN Oxydol

CN Oxyfull

CN Oxysept

CN Oxysept I

CN Pegasyl

CN Perhydrol

CN Perone

CN Peroxaan

CN Peroxclean

CN Quasar Brite

CN Select Bleach

CN Superoxol

CN T-Stuff

CN Whiteness HP

CN Whitespeed

CN Xtra White

FS 3D CONCORD

DR 8007-30-5, 66554-50-5, 37355-84-3, 218625-72-0

MF H2 O2

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PDLCOM*, PIRA, PROMT, PS, RTECS*, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)

DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent;

Preprint; Report

RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.P Roles for non-specific derivatives from patents: ANST (Analytical study); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological study); CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role in record)

RLD.NP Roles for non-specific derivatives from non-patents: ANST (Analytical study); BIOL (Biological study); FORM (Formation, nonpreparative); MSC (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT (Reactant or reagent); USES (Uses)

HO OH

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

93692 REFERENCES IN FILE CA (1907 TO DATE)
 805 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 93957 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 302-04-5 REGISTRY
 CN **Thiocyanate (9CI)** (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Thiocyanic acid, ion(1-) (8CI)
 OTHER NAMES:
 CN Isothiocyanic acid, ion(1-)
 CN Rhodanide
 CN Thiocyanate (NCS1-)
 CN Thiocyanate anion
 CN Thiocyanate ion
 CN Thiocyanide
 AR 71048-69-6
 FS 3D CONCORD
 DR 1111-68-8, 60168-45-8, 62476-95-3, 60773-55-9, 37223-05-5, 69924-38-5,
 70874-95-2, 81210-01-7
 MF C N S
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
 CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB,
 DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE,
 PIRA, PROMT, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPATFULL, VTB
 (*File contains numerically searchable property data)
 DT.CA CAplus document type: Book; Conference; Dissertation; Journal; Patent;
 Preprint; Report
 RL.P Roles from patents: ANST (Analytical study); BIOL (Biological study);
 CMBI (Combinatorial study); FORM (Formation, nonpreparative); MSC
 (Miscellaneous); OCCU (Occurrence); PREP (Preparation); PROC (Process);
 PRP (Properties); RACT (Reactant or reagent); USES (Uses); NORL (No role
 in record)
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 study); BIOL (Biological study); PREP (Preparation); PROC (Process);
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 RL.NP Roles from non-patents: ANST (Analytical study); BIOL (Biological
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 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses); NORL (No role in record)
 RL.D.NP Roles for non-specific derivatives from non-patents: ANST (Analytical
 study); BIOL (Biological study); FORM (Formation, nonpreparative); OCCU
 (Occurrence); PREP (Preparation); PROC (Process); PRP (Properties); RACT
 (Reactant or reagent); USES (Uses)

-S C N

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7270 REFERENCES IN FILE CA (1907 TO DATE)
 249 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 7281 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L8 ANSWER 5 OF 18 CAPLUS COPYRIGHT 2006 ACS on STN

TI Novel methods and devices with thiocyanate for treating lung dysfunction

AB Methods and devices useful for treatment of lung conditions resulting from dysfunction of normal pulmonary physiol. are presented. Lung **infection** in a primate suffering from **cystic fibrosis** is treated by administering an effective amount of aerosolized thiocyanate. An **inhaler** comprises thiocyanate or a peroxidase for administration to a patient with **cystic fibrosis** (CF). To test the hypothesis that CF mutations lower airway [SCN-] thereby leading to impaired lactoperoxidase (LPO)-mediated host defense, human airways were examined for an LPO system. Normal and CF epithelial cell cultures were compared for differences in SCN- transport that could be functionally linked to CF. LPO and SCN- were found in human airway secretions and LPO mRNA was found in trachea tissue. In air liquid interface cultures, normal human airway epithelia transported SCN- from the basolateral to the apical compartment and concentrated the anion at the mucosal surface with pharmacol. properties consistent with CFTR-mediated channel activity. The pharmacol. characteristics of SCN- transport implied at least an indirect role of CFTR. SCN- transport and apical SCN- accumulation were significantly reduced in CF cultures. This alteration in SCN- transport suggests a simple mechanistic link between CF mutations and the LPO host defense system in human airway.

ACCESSION NUMBER: 2002:889379 CAPLUS

DOCUMENT NUMBER: 137:363077

TITLE: Novel methods and devices with thiocyanate for treating lung dysfunction

INVENTOR(S): Conner, Gregory E.

PATENT ASSIGNEE(S): USA

SOURCE: U.S. Pat. Appl. Publ., 11 pp.

CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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US 2002172645	A1	20021121	US 2002-146405	20020514
US 6702998	B2	20040309		
US 2004156917	A1	20040812	US 2004-771057	20040203
PRIORITY APPLN. INFO.:			US 2001-291210P	P 20010515
			US 2002-146405	A2 20020514

Refine Search

Search Results -

Terms	Documents
5503853.pn.	2

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
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 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L17

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Search History

DATE: Saturday, May 20, 2006 [Printable Copy](#) [Create Case](#)

Set Name	Query	Hit Count	Set Name result set
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
L17	5503853.pn.	2	L17
L16	6149908.pn.	2	L16
L15	L14 and ((thiocyanate or SCN) and peroxidase)	24	L15
L14	L13 and ((antibiotic or (anti near (fungal or viral))) near10 (treatment or therapy))	192	L14
L13	L12 and (inhalation or aerosol or respiratory or pulmonary)	1317	L13
L12	L5 and (((H near 2) adj (O near 2)) or (hydrogen adj peroxide) or (H2O2))	1629	L12
L11	L10 and @pd<20010515	17	L11
L10	L8 and ((Staphylococcus near aureus) or (Pseudomonas near aeruginosa) or (Burkholderia near cepacia))	302	L10
L9	L8 and (inhal\$ same (H2O2 or (hydrogen adj peroxide)))	5	L9
L8	L7 and (thiocyanate or peroxidase)	768	L8
L7	L6 and infection	1288	L7

L6	L5 and (H2O2 or (hydrogen adj peroxide))	1629	<u>L6</u>
L5	cystic adj fibrosis	17640	<u>L5</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>			
L4	cystic adj fibrosis	13630	<u>L4</u>
L3	(gregory adj E) near Conner	4	<u>L3</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L2	6702998.pn.	1	<u>L2</u>
<i>DB=PGPB,USPT; PLUR=YES; OP=OR</i>			
L1	(Gregory adj E) near Conner	4	<u>L1</u>

END OF SEARCH HISTORY



Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

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